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TITLE: PAPER CONVEYOR  
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ABSTRACT:

PURPOSE: To improve the movement of paper and enable the use of a compact low-torque motor as a driver, by moving a toothed belt through toothed pulleys, placing other pulleys in pressure contact with the outside of the belt and pinch- conveying the paper between the belt and the latter pulleys.

CONSTITUTION: To convey paper 21, driving toothed pulleys 3, 4 are rotated counterclockwise so that toothed belts 11, 12 engaged with the pulleys are revolved in a direction (a) and movable idle pulleys 13, 15 and fixed idle pulleys 14, 16 which are put in pressure contact with the belts by springs 18, 19 are rotated clockwise. The paper 21 brought through a chute 1 in a

direction (b) is conveyed as the belts 11, 12 are moved. After the paper 21 is elevated while being pinched between the belts 11, 12 and the pulleys 13, 15, the paper is moved further while being pinched between the belts and the pulleys 14, 16. According to this constitution, paper jamming does not occur even in a curved conveyance passage, and a compact low-torque motor can be used by making the tension of belt low.

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